

Kent J. Tobin, Reg. No. 39,496, (650) 326-2400 Application No. 09/823,214; Atty. Docket No.: 021720-001010US Title: Interactive Graphical Environment for Drug Model Generation Applicants: Michael R. Dunlavey et al.

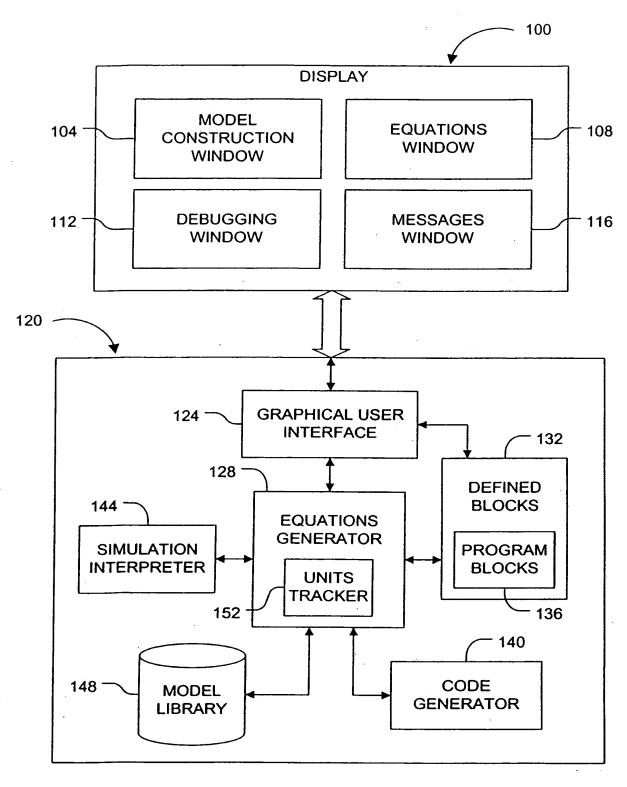
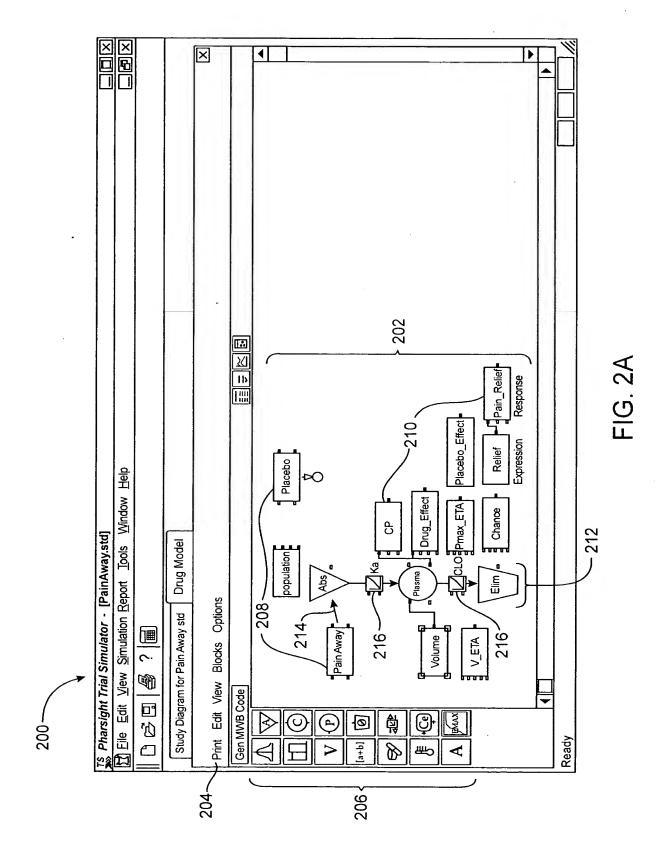


FIG. 1

2/12



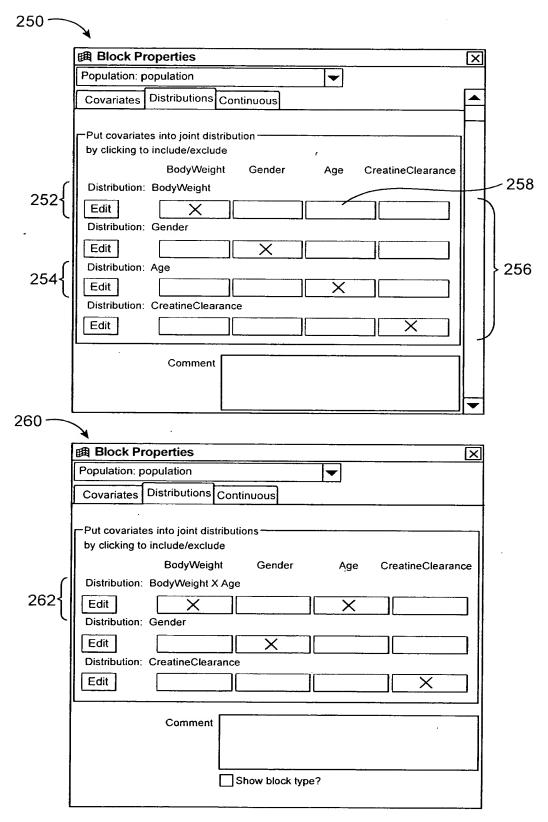


FIG. 2B

4/12

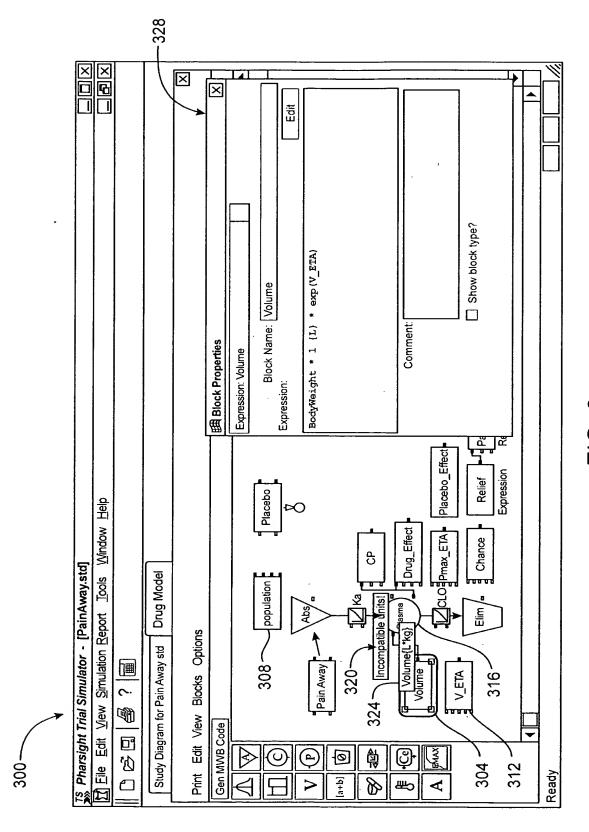


FIG. 3

- 402	404 —
Const	a numeric constant
NamedConst	a numeric constant having a name, such as Male or Female
StrConst	a string constant such as 'this is a string'
Unit	a basic unit such as L(liters) or d(days)
GetPort	a reference to the value of a variable
Trinop	trinary operator, such as the conditional operator
Binop	binary operator, such as +, -, *, /, comparison, etc.
Unop	unary operator, such as unary minus, and logical .not.
TimesUnit	multiplication by a unit phrase
UnitBinop	binary unit operator, such as *,/
UnitPhrase	encapsulates a unit phrase
DelayFunc	the delay function. It's output equals its input delayed by an offset.
TableFunc	the tabular function.
Funcall	calls one of a set of built-in functions, such as sqrt, exp, ln, etc.
SetPort	stores a value into a variable
SetDerv	sets the derivative (rate of change) of a variable
DEvent	represents the action to be performed when an event fires.
CDistr	represents a univariate continuous distribution.
DDistr	represents a univariate categorical distribution.
DLogit	represents a categorical distribution determined by an input value,
	some offset values, and a link function.
Choose	represents block equivalent of the trinary conditional expression.
Subreall	represents a call to an external user-written subroutine.
NewStmtSequence	represents a sequence of statements
StmtIfThenElse	represents an if-then-else statement
InitCF	initializes a closed form machine by setting its initial parameters.
Add1stOrdCF	modifies a closed form machine by convolving its parameters with
Add at Ordinaut CE	a first order delay.
Add1stOrdInputCF	modifies a closed form machine by convolving its parameters with
CloneCF	a first order delay. copies one closed form machine into another.
GetValCF	reads the value of a closed form machine
AddDoseCF	adds a bolus dose to a closed form machine
AddDoseCI	adds to the infusion rate in a closed form machine
IfLevel	a special if statement used to guard statements, causing them to
ILLEVE	only be executed at the proper distribution level, such as
	continuous, event, periodic, etc.
SetDiscrete	used to set a group of categorical variables that are jointly
SciDisciole	distributed.
DSwitch	used to choose among a set of continuous values on the basis of a
	set of discrete values.
MCorDistr	represents a multivariate continuous distribution with correlation
	matrix
MVarDistr	represents a multivariate continuous distribution with variance-
	covariance matrix.
MVarImport	represents a set of variables that are being imported.
	— <u> </u>

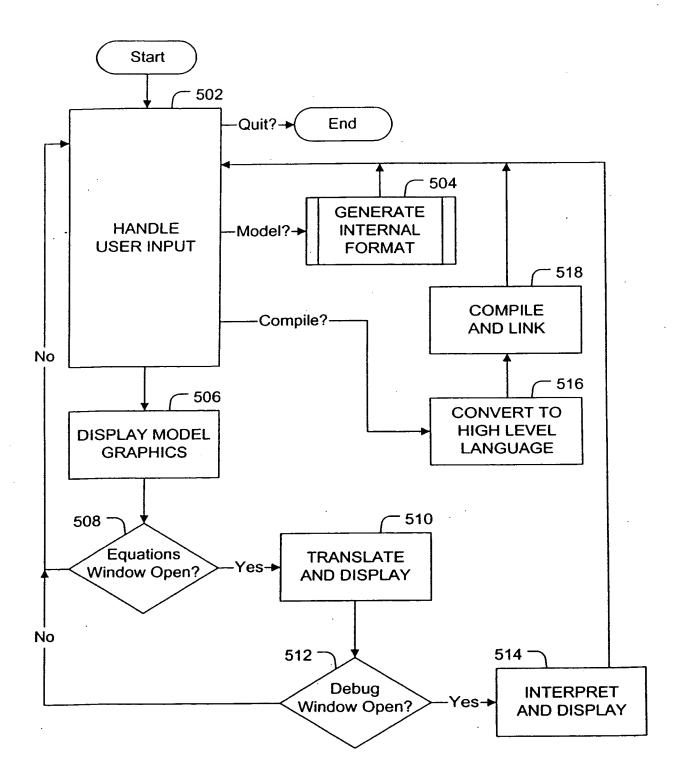


FIG. 5

7 / 12

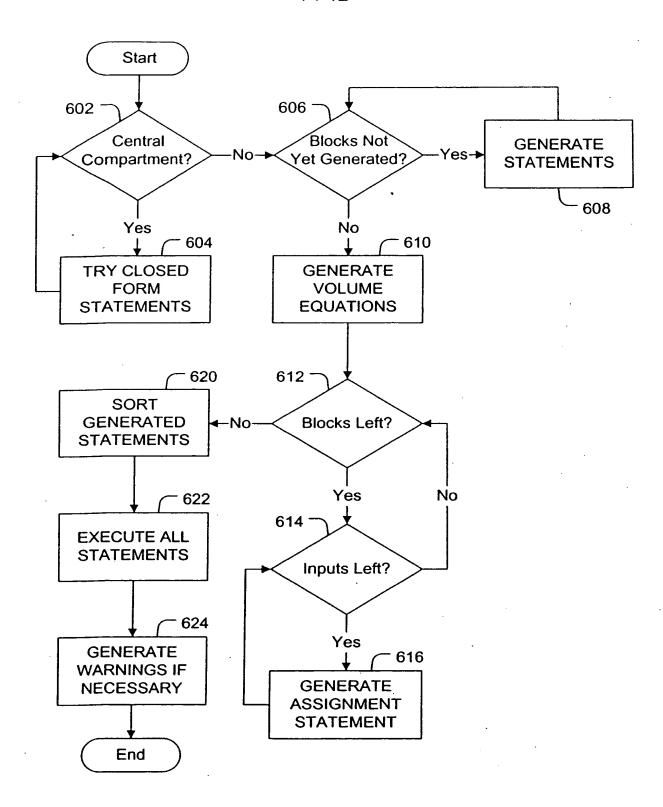


FIG. 6

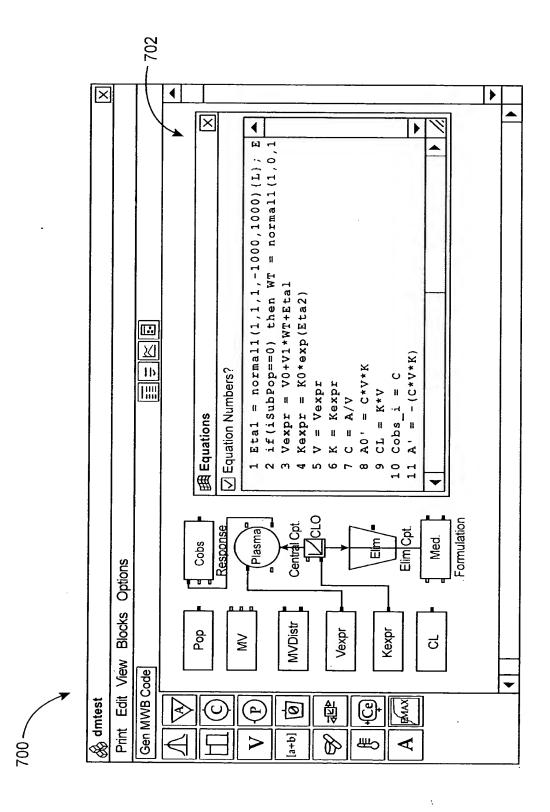


FIG. 7A

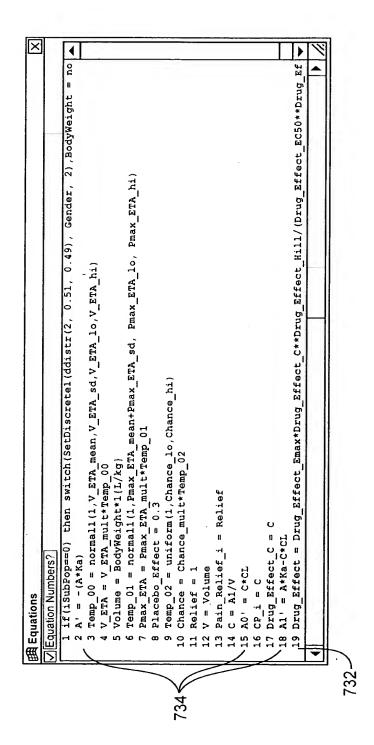


FIG. 7B

10 / 12

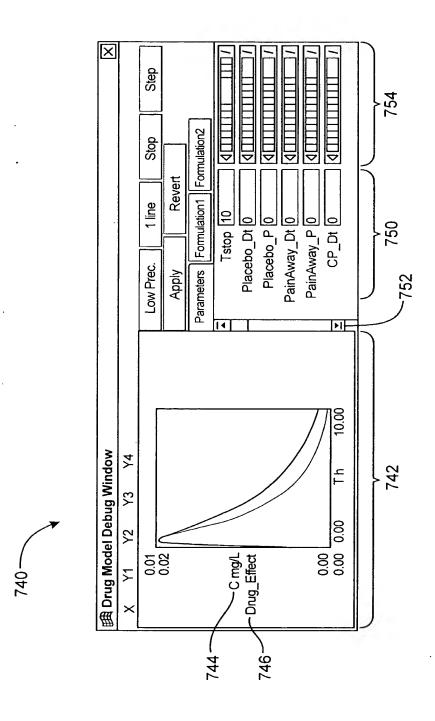
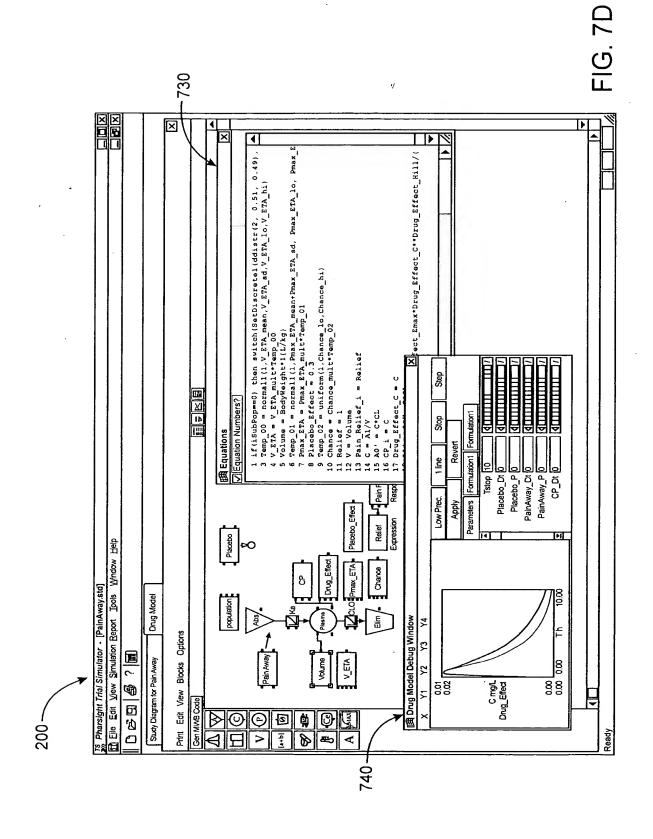


FIG. 70

11 / 12



12 / 12

